



# The future of DevOps and Agile

Devlin Liles – President, Improving

# Agenda

- Introductions
- A Brief history lesson
- 2017 emergent trends
- 2018 and beyond

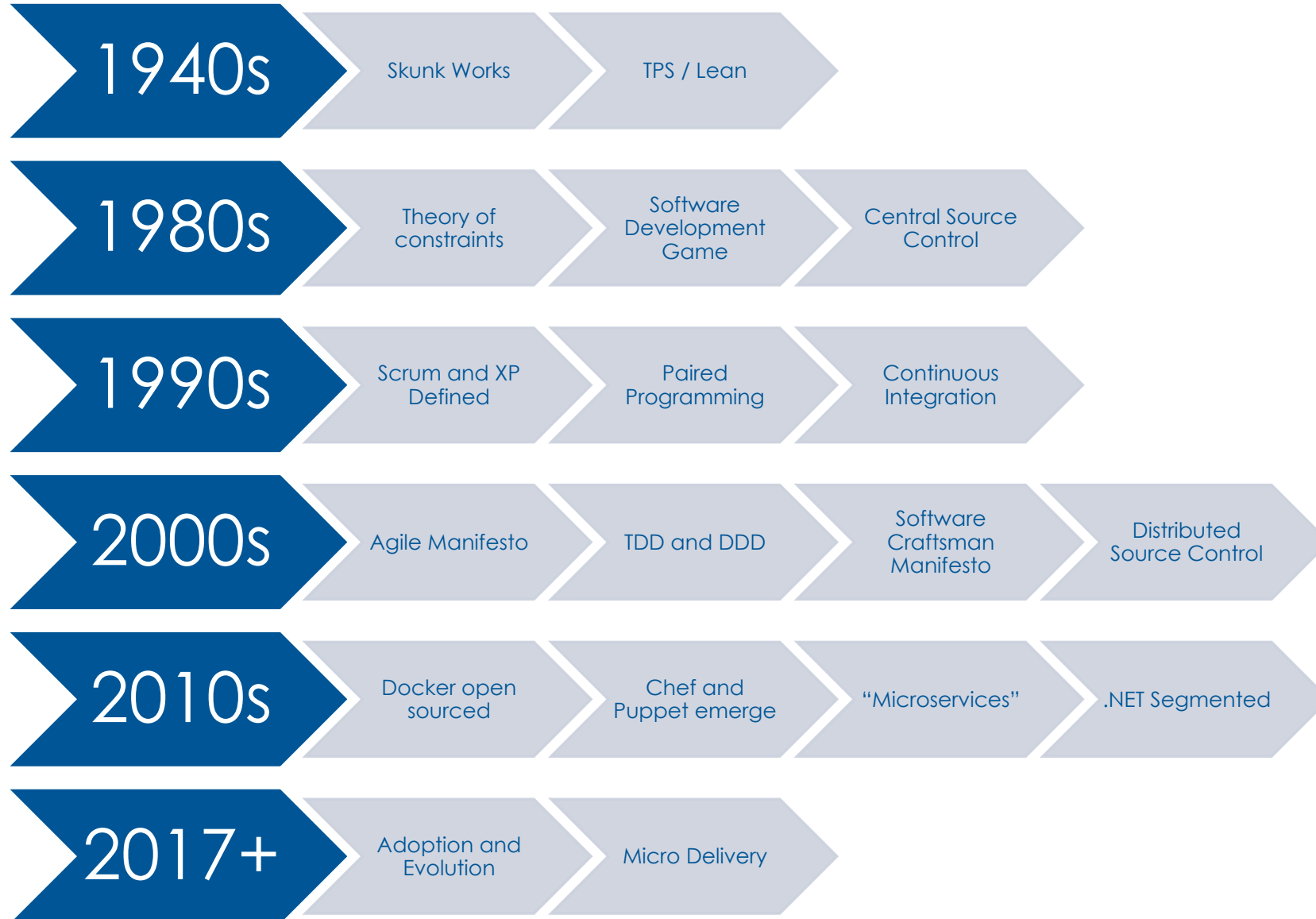
# Introductions

- Christian
- Husband
- Father
- Passionate Geek
- Life long learner



# A brief history of time...

# DevOps History

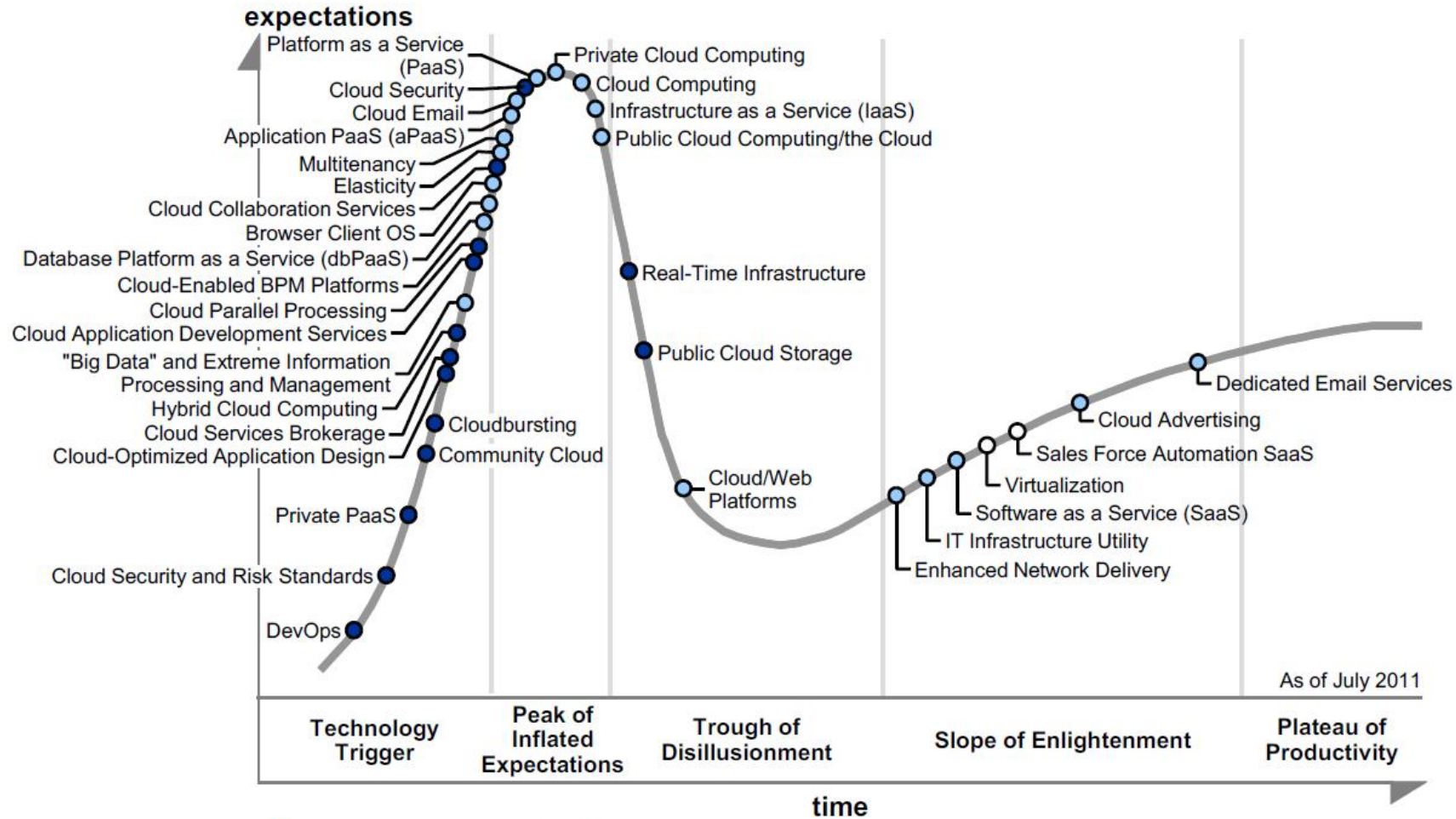


**Happiness = Reality - Expectation**

# DevOps

2011

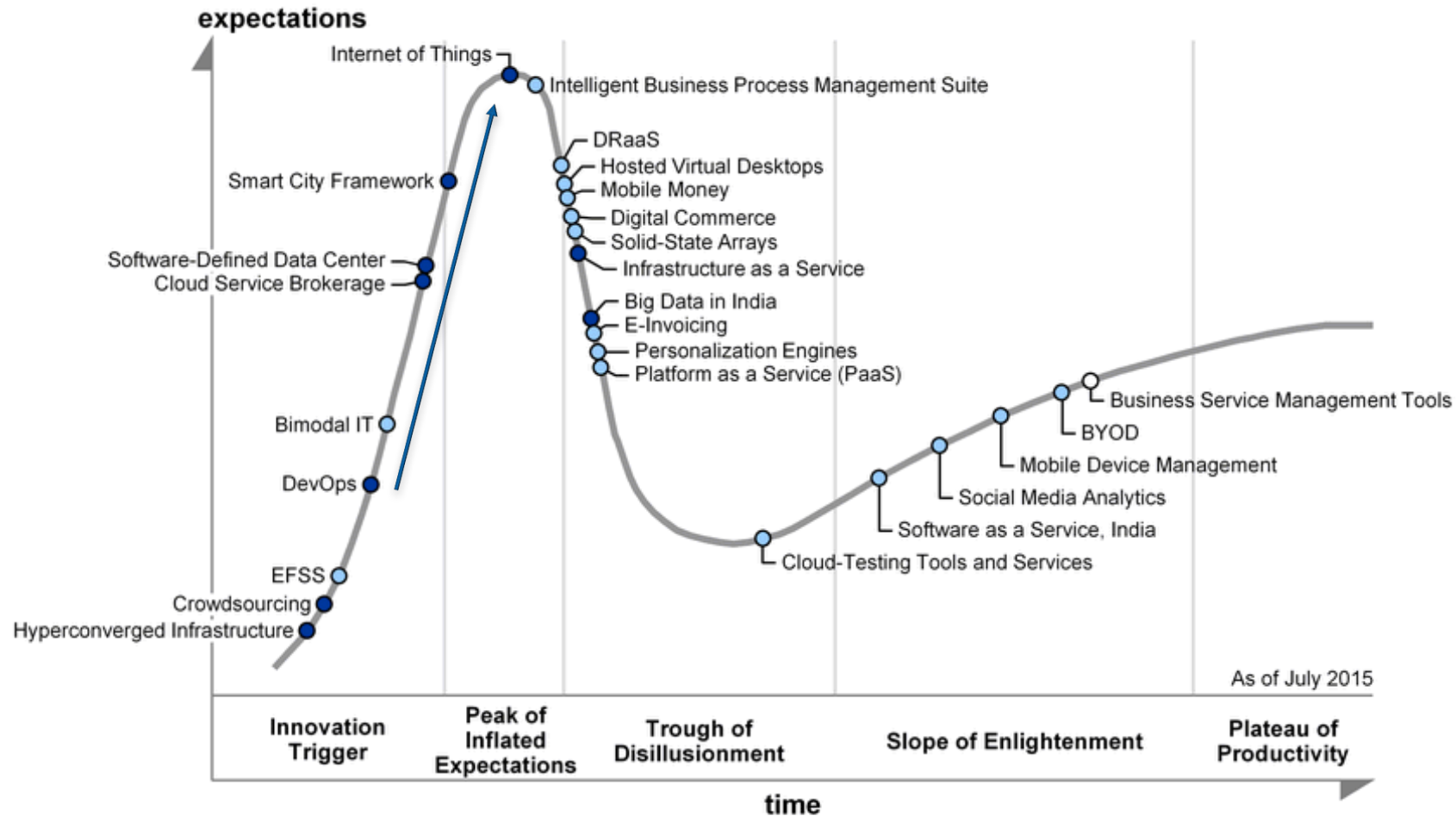
Figure 1. Hype Cycle for Cloud Computing, 2011



Source: Gartner (July 2011)

# DevOps

2016



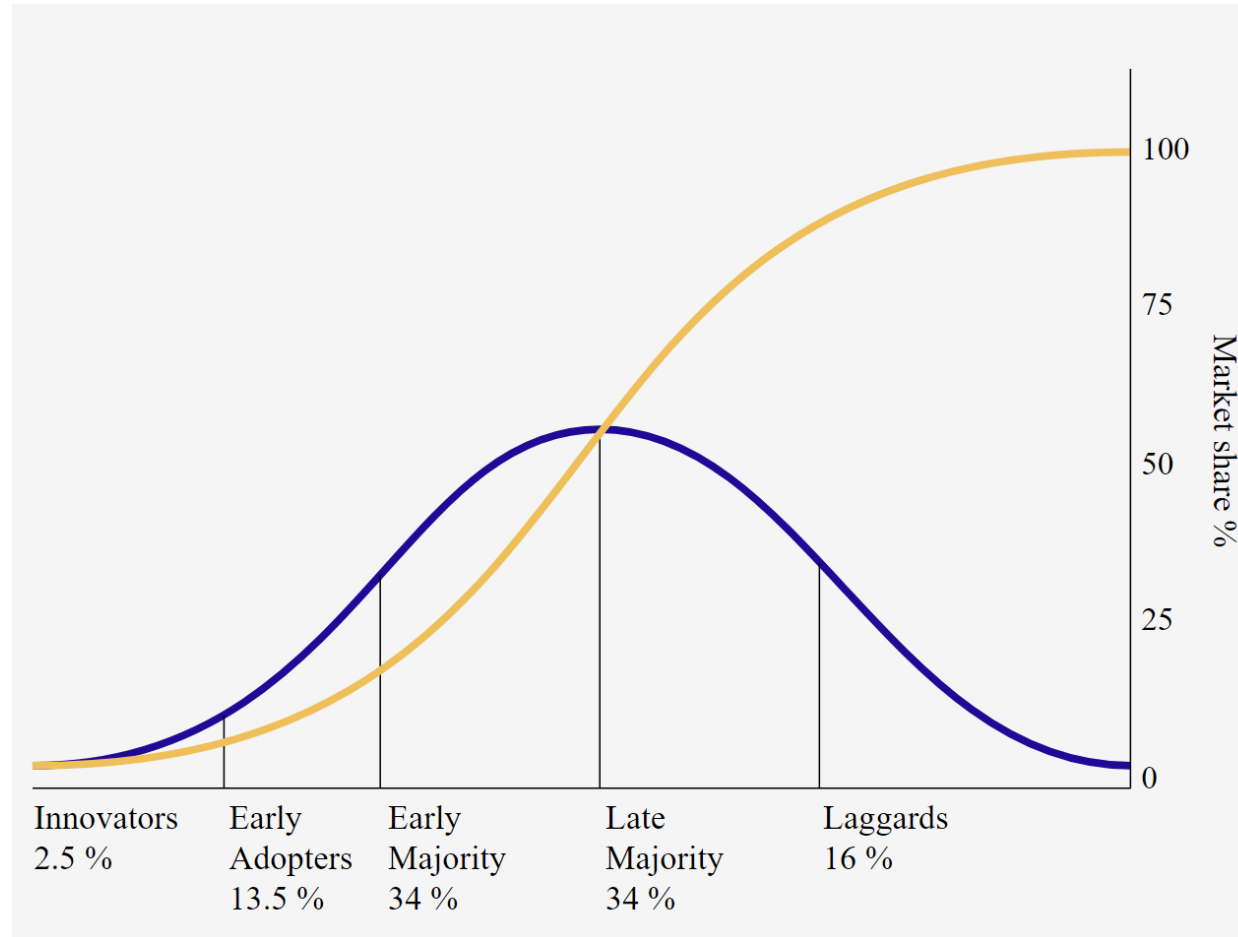
Plateau will be reached in:

- less than 2 years
- 2 to 5 years
- 5 to 10 years
- ▲ more than 10 years
- ⊗ obsolete before plateau



**What does 2017 – 2018 look like?**

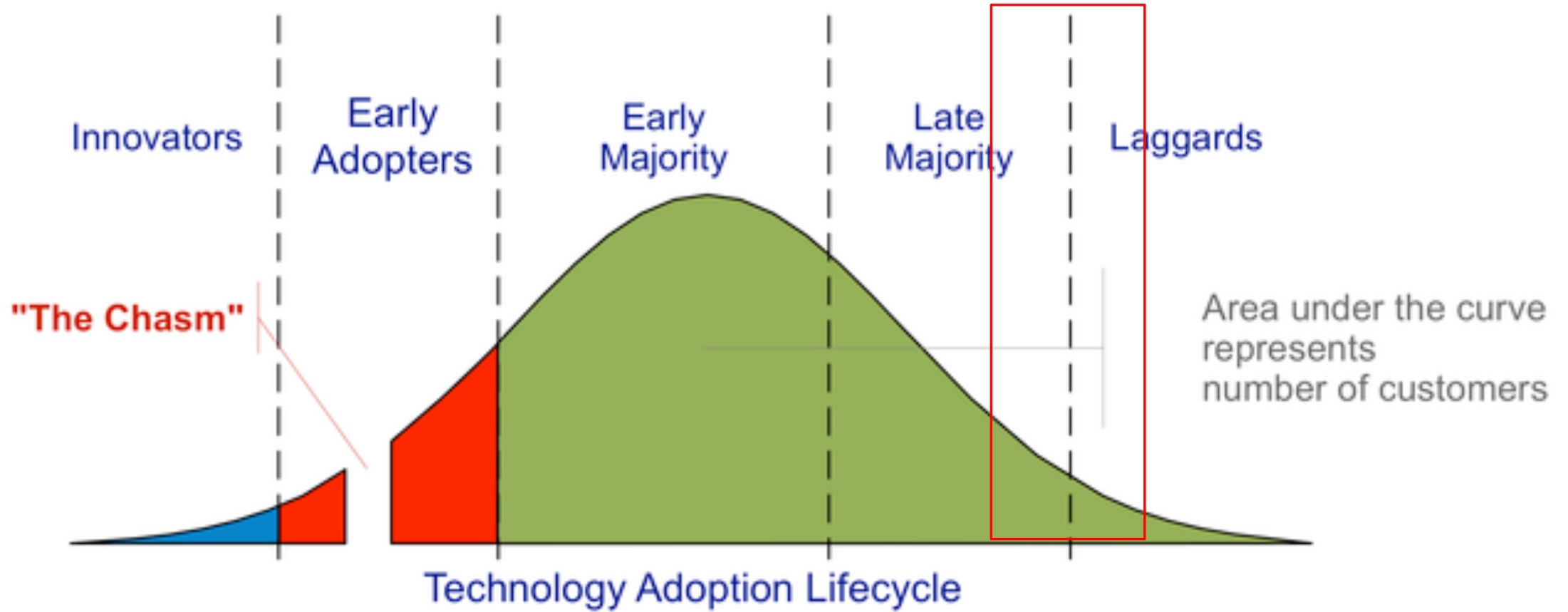
# Adoption Curve



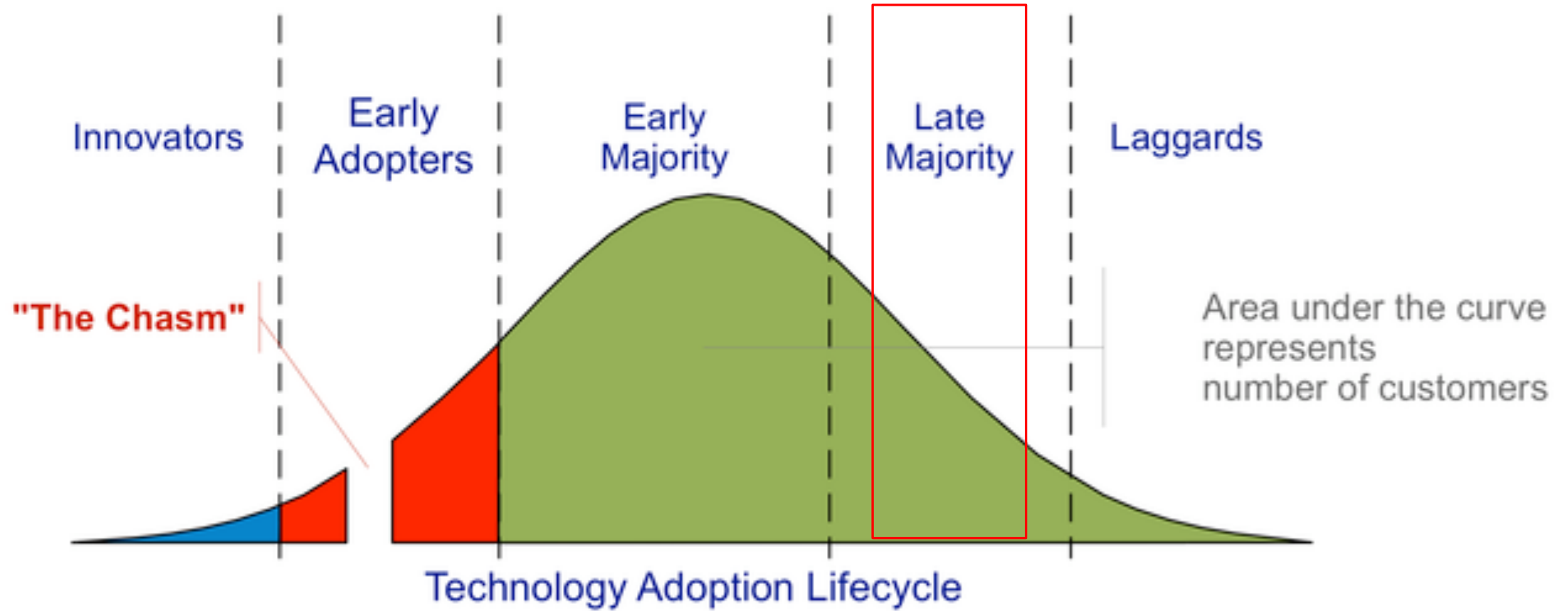
# A few definitions

- *Innovators* – These are risk-oriented, leading-edge minded individuals who are extremely interested in technological developments (often within a particular industry). Innovators are a fractional segment of the overall consumer population.
- *Early Adopters* – A larger but still relatively small demographic, these individuals are generally risk-oriented and highly adaptable to new technology. Early adopters follow the innovators in embracing new products, and tend to be young and well-educated.
- *Early Majority* – Much larger and more careful than the previous two groups, the early majority are open to new ideas but generally wait to see how they are received before investing.
- *Late Majority* – Slightly conservative and risk-averse, the late majority is a large group of potential customers who need convincing before investing in something new.
- *Laggards* – Extremely frugal, conservative, and often technology-averse, laggards are a small population of usually older and uneducated individuals who avoid risks and only invest in new ideas once they are extremely well-established.

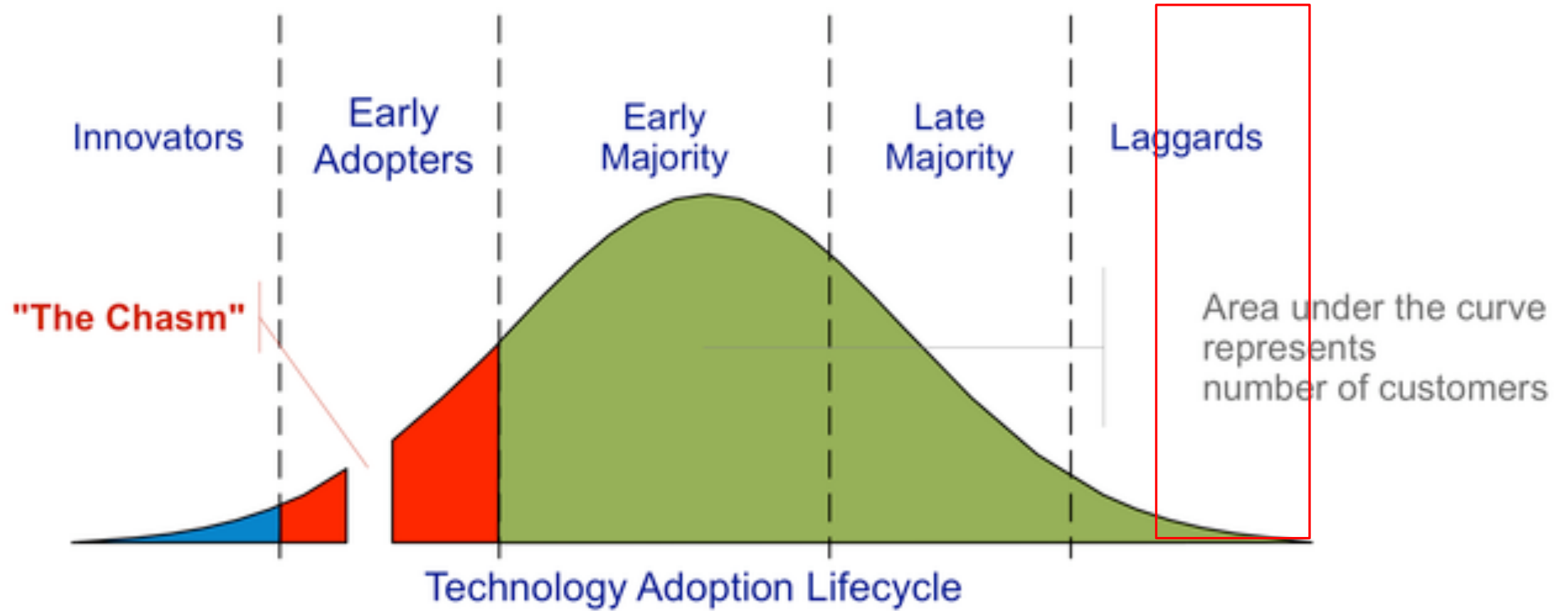
# Unit Testing



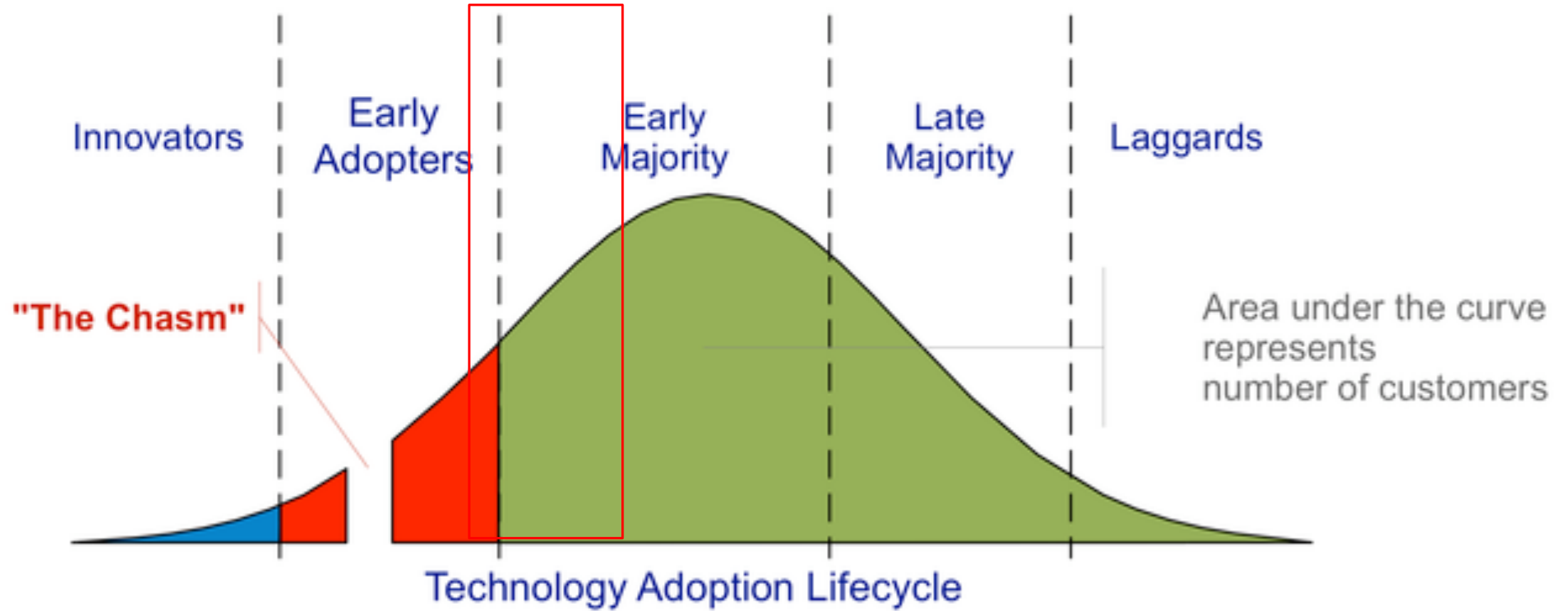
# Continuous Integration



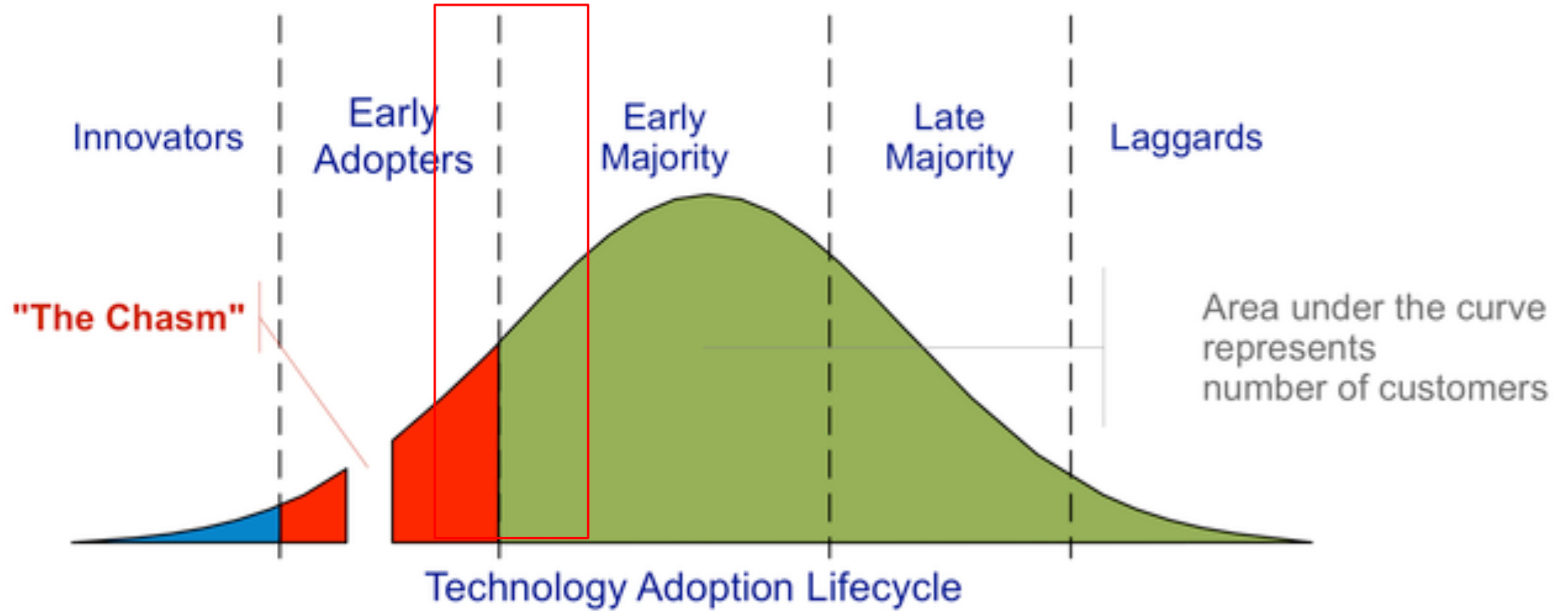
# Source Control



# Production Monitoring Analytics

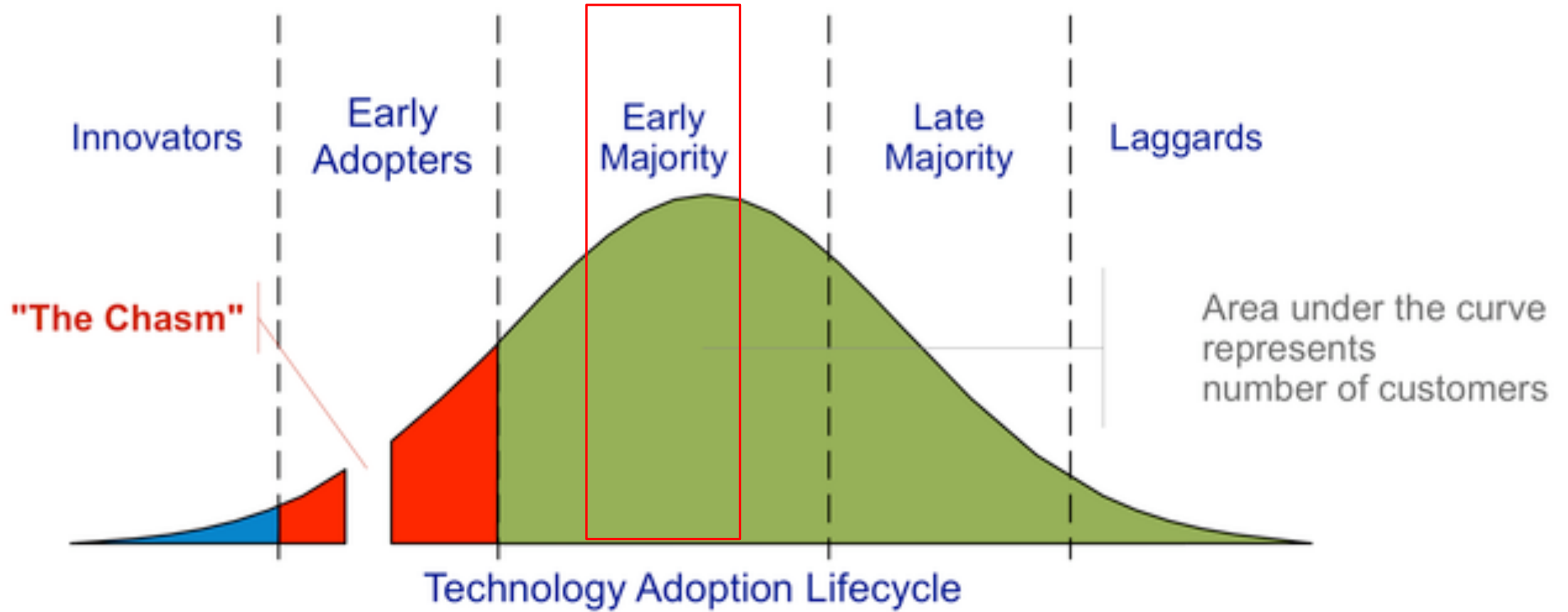


# Continuous Delivery

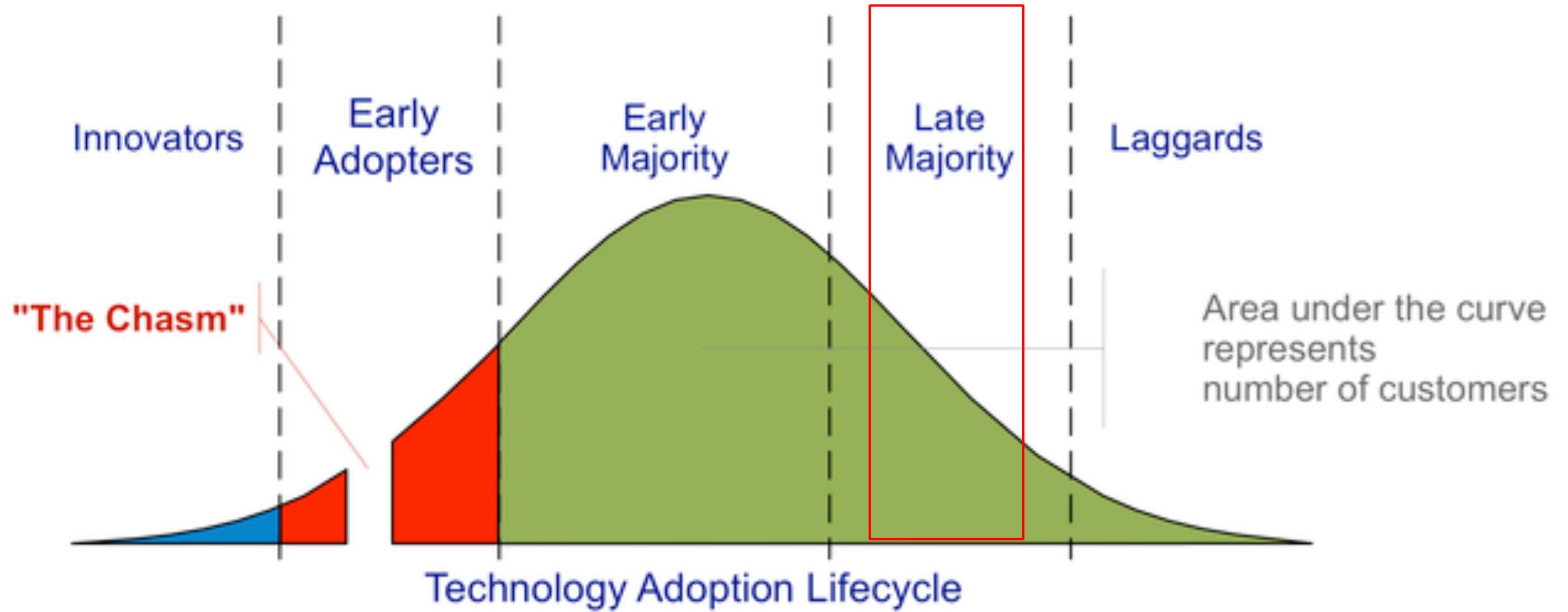




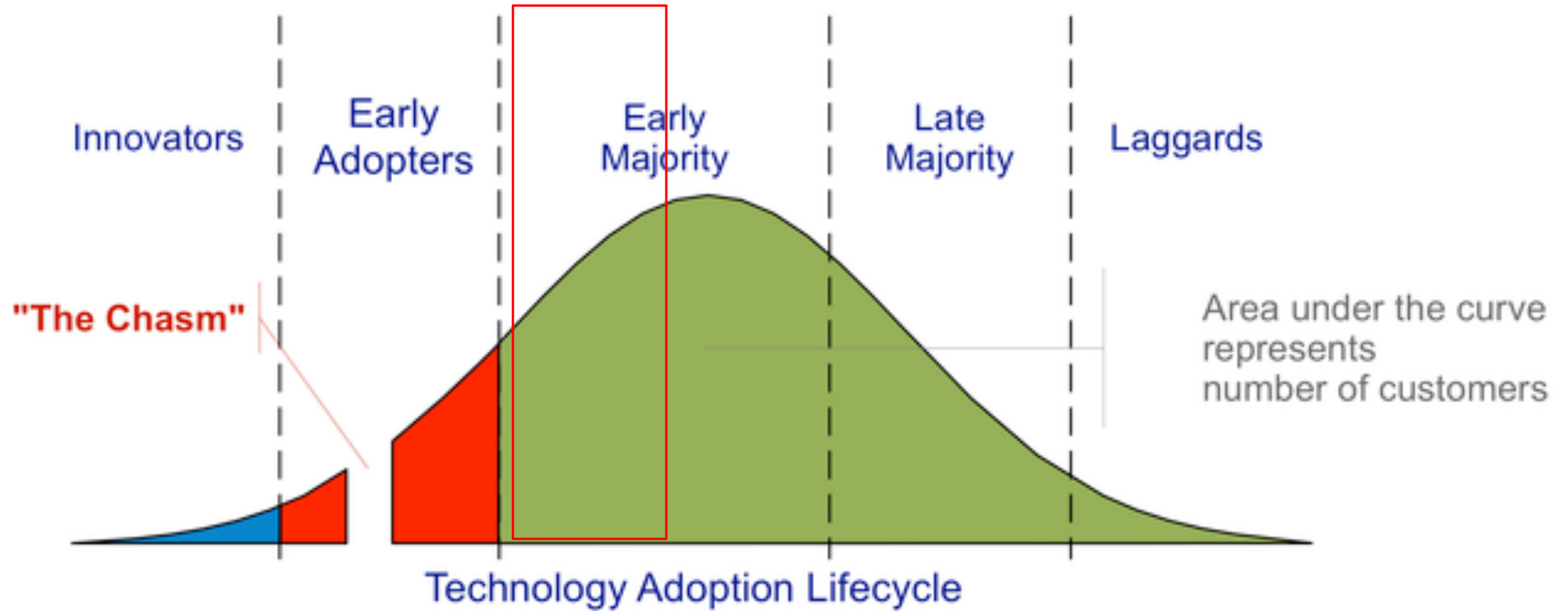
# QA Automation



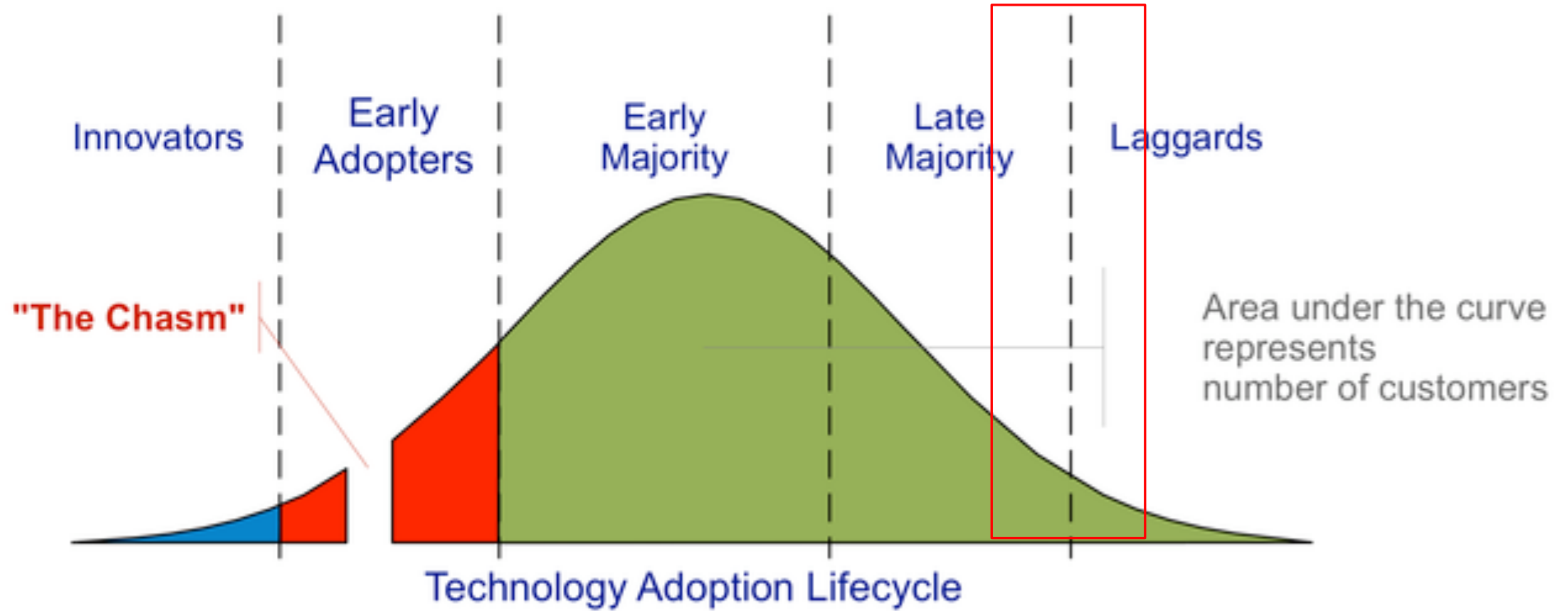
# Code Quality Measurement and Standards



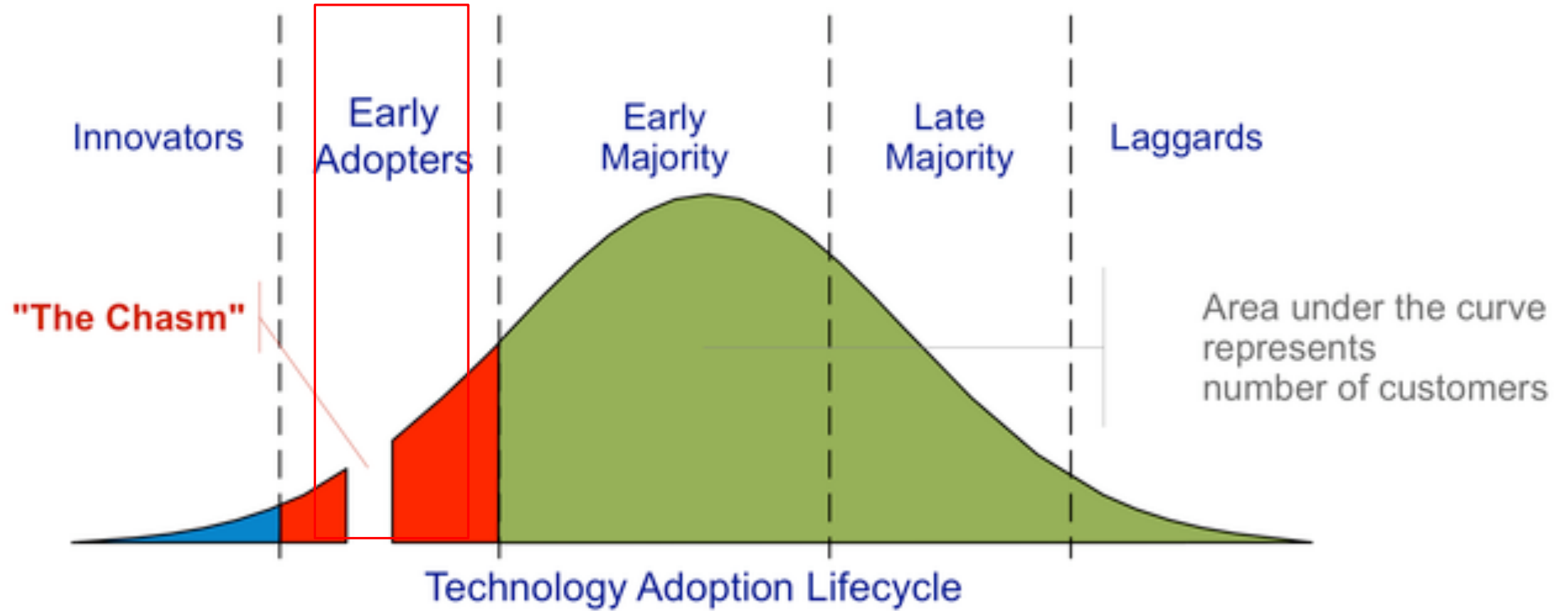
# Agile Business Understanding / Process



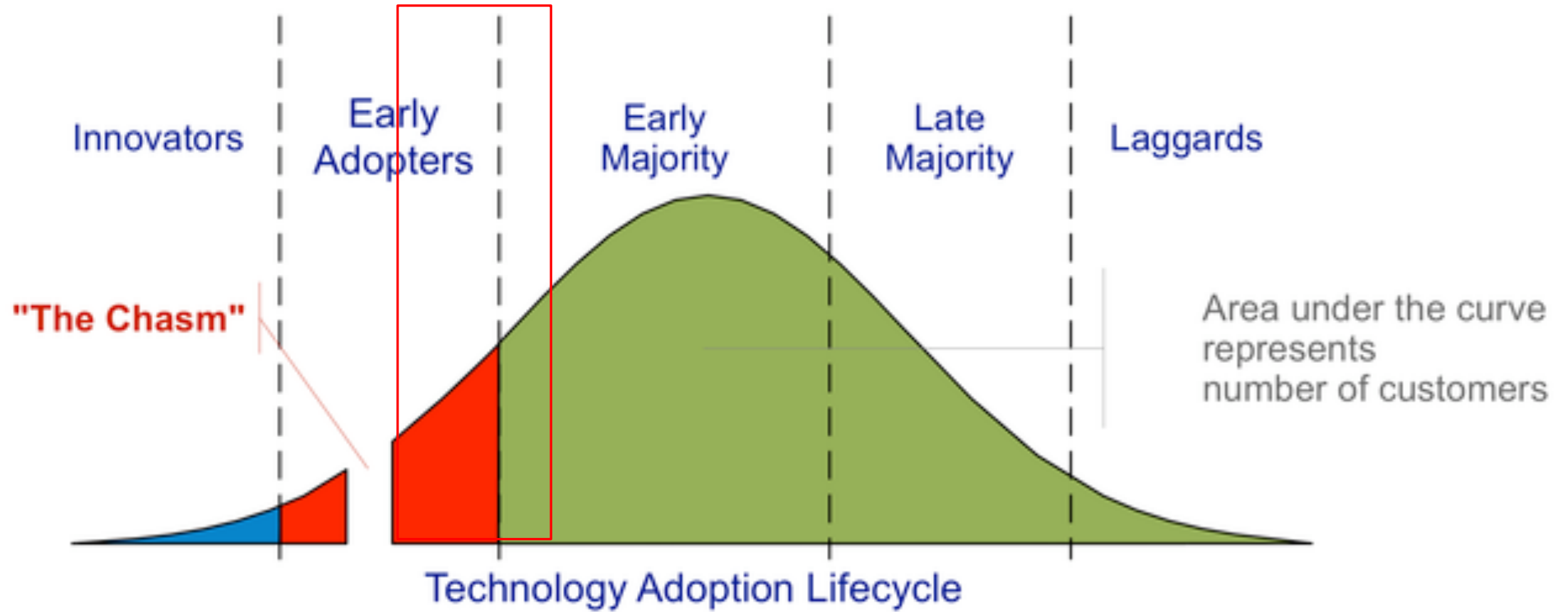
# Trust in Agile ( Technologists )



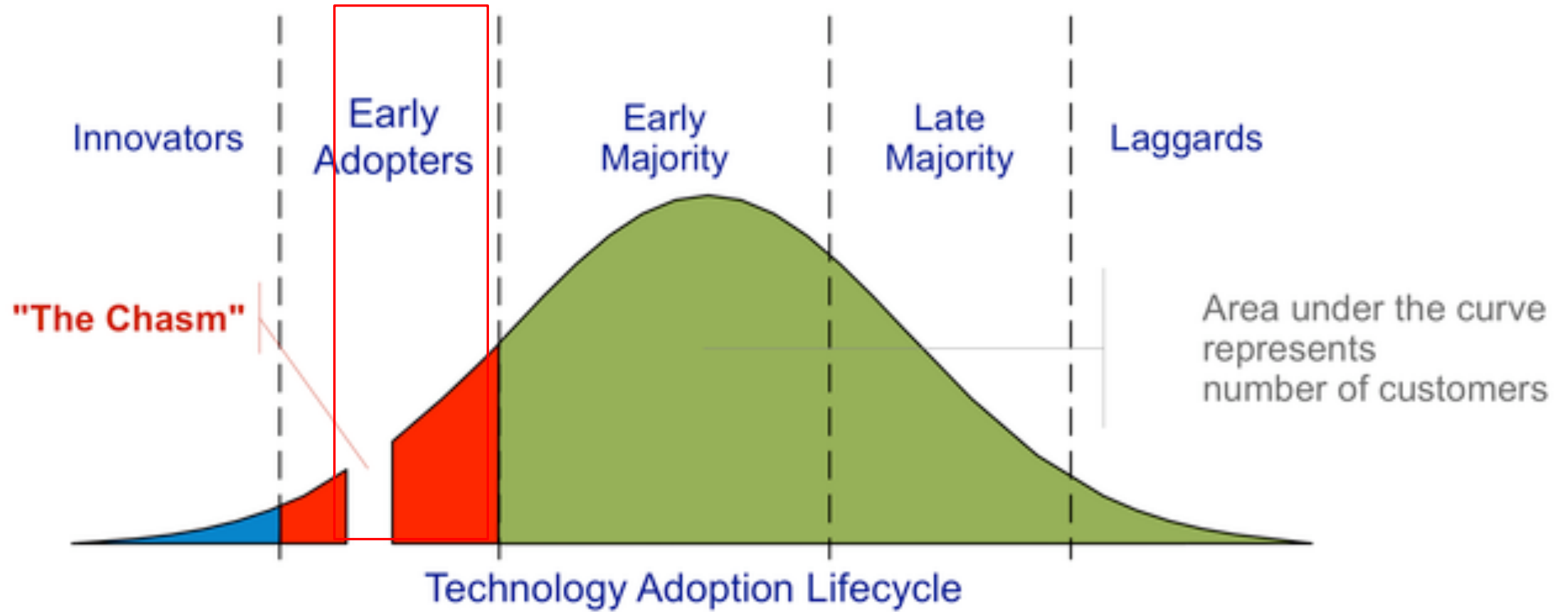
# Trust in Agile ( Business )



# Environment Automation



# Containerization



# Portable Infrastructure

